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# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

355 West North Temple  
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Salt Lake City, Utah 84180-1203  
801-538-5340

October 8, 1991

MINERALS PROGRAM  
FILE COPY

TO: Minerals File

FROM: Tony Gallegos, Reclamation Engineer;  
Holland Shepherd, Senior Reclamation Specialist

RE: Site Inspection, Interpace Industries, Inc., Pleasant View Mine,  
M/057/003, Weber County, Utah

Date of Inspection: September 20, 1991

Time of Inspection: 1015 - 1330

Conditions: Fair, warm

Participants: Dennis Rhine, Interpace Industries; Holland Shepherd, and  
Tony Gallegos, DOGM *adg HWS*

This site was to be jointly bonded with Interpace's Clinton operation (M/049/006) in 1989 under a reclamation cost estimate totaling \$80,000 for both sites. The Division currently holds a \$25,000 Letter of Credit for reclamation of both sites and recently sent a letter to the operator regarding the posting of the remaining outstanding reclamation surety. The operator wishes to reduce the reclamation surety by performing some reclamation at these two sites. The purpose of this inspection was to evaluate the current condition of the Pleasant View Mine site and make recommendations to the operator regarding reclamation of the site.

Upon arriving at Interpace's office in Harrisville, a meeting was held to discuss the bonding and reclamation status of the Pleasant View Mine site. Mr. Rhine indicated that they have no plans for future mining at this site and would like to reclaim it to the Division's satisfaction as soon as possible. He asked about the bonding requirement for this site if further reclamation were to be performed. We explained to Mr. Rhine that the Division would not release the full bond amount until the reseeding had endured three growing seasons. The bond amount could, however, be reduced to reflect the earthwork which would be performed.

Mr. Rhine indicated that they would also like to do some partial reclamation at the Clinton site, in order to reduce the amount of their reclamation bond further. A site inspection was tentatively scheduled for the Clinton Pit for October 28, 1991.

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After the meeting we visited the mine site, which is several miles north of the Interpace office. The dozer operator, who would be doing the regrading work for Interpace, accompanied us to the site. There are no structures present at the site at this time. Reclamation would consist of backfilling/regrading the main pit and a smaller pit to the east, regrading some stockpiles of waste material, ripping the regraded areas, ripping the pad areas, covering the disturbed areas with the stockpiled topsoil material, and reseeding. From discussions held while at the site, it was felt that sufficient fill material was available to backfill the pits and regrade any material piles to a slope configuration of near 3:1. One question which was to be resolved by Interpace was the ownership of the fence along the highwall of the main pit. This fence would be affected by the regrading/backfilling of the main pit and ownership could dictate whether the pit would be backfilled or regraded. The operator indicated that it would be possible to backfill against the highwall below the fence without disturbing the fence line. A map in the file helped identify the nature of the various piles of earthen material and what they would be used for in final reclamation. Photographs were taken to document the current status of the site.

Following the inspection, a brief meeting was held back at the office. This meeting concluded with the following understandings:

- 1) Interpace would perform the earthwork discussed during this field inspection and contact the Division when this work was completed, but prior to any reseeding;
- 2) Division staff would inspect the earthwork and if the work is satisfactory, notify Interpace via letter of a partial reduction in the reclamation bond amount (pending upper management approval);
- 3) the Division would provide a seed mix to Interpace to be used in reseeding of the site.

jb  
cc: Dennis Rhine, Interpace  
Wayne Hedberg, DOGM  
M057003



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Seed Recommendation  
for  
**Interpace Industries**  
**Pleasant View Pit**  
**M/057/003**

Seed Mix Recommendation

Common Name (Species)	Rate lbs/ac
<u>Grasses</u>	
Indian ricegrass ( <i>oryzopsis hymenoides</i> )	3
Crested wheatgrass ( <i>Agropyron desertorum</i> )	1
Bluebunch wheatgrass ( <i>Agropyron spicatum</i> )	2
Tall wheatgrass ( <i>Agropyron elongatum</i> )	2
<u>Forbs</u>	
Palmer penstemon ( <i>Penstemon palmeri</i> )	2
Yellow sweetclover ( <i>Melilotus officinalis</i> )	2
<u>Shrubs</u>	
Bitterbrush ( <i>Purshia tridentata</i> )	3
Mountain mahogany ( <i>Cercocarpus ledifolius</i> )	3
Rabbitbrush ( <i>Chrysothamnus nauseosus</i> )	2
Total	20 lbs/ac

The above seeding rate has been developed for application by broadcasting. If drill seeding is to be used, the rate should be reduced by 35%.

The Division will not require that you use all of these species, though the mix is highly recommended. If you have trouble obtaining some of these species or the price is too high for a specific plant, use a more condensed mix.

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### Seed Application

You will need to ensure that the soil has been loosened sufficiently before seeding by discing or harrowing (at least the first 6 inches of soil). Where the soil has become extremely compacted, resulting from heavy equipment usage, you will need to deep rip the soil before seeding.

The seed should then be evenly broadcast over the entire area. After seeding, the soil surface should be scarified to a depth of 1/4 inch to 1 inch. This will incorporate the seed at a sufficient depth such that spring germination will be enhanced. Scarification is generally done by dragging a log, chainlink fence, bedsprings or whatever is available, behind a truck or tractor.

To enhance germination, you might want to incorporate a straw or hay mulch into the soil at the discing stage. Also, fertilizer should be included in your application, especially if you use a mulch. The general rule of thumb is 2,000 lb/ac mulch and 100 lbs/ac of diammonium phosphate 18-46-0.

The best time for seed application is prior to the first snow in the fall.

jb  
1:seedmix/7-8